Abstract of the Disclosure

2	A pressure and vacuum valve manifold system such as may be used, for example, to
3	actuate pneumatic bladders controlling airflow in a forced air HVAC system to provide zone
4	climate control. The valves are individually operable to connect a respective individual bladder
5	to pressure or to vacuum. Two manifolds can be mated and commonly fed pressure and vacuum.
6	The two manifolds can be of identical construction. One manifold chamber from each can be
7	connected into a single large pressure manifold, and another manifold chamber from each can be
8	connected into a single large vacuum manifold. Such connections can be made with fittings
9	which also serve as pressure and vacuum relief valves, respectively. The valve plungers are
10	arranged in a grid, enabling a simple X-Y two-motor servo system to actuate all the valves, one
11	at a time. The valves may be arranged such that the valves of one manifold are one half
12	increment offset from the valves of the other manifold, enabling a single actuator having two
13	actuator fingers to operate only a single manifold's valve at a time.

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